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DATE MAILED: 04/08/2009

NOTICE OF ALLOWANCE AND FEE(S) DUE

27267 7590 04/08/2009
WIGGIN AND DANA LLP
ATTENTION: PATENT DOCKETING
ONE CENTURY TOWER, P.O. BOX 1832.

NEW HAVEN CT 06508-1832.

EXAMINER

ROMAN, ANGEL

ART UNIT PAPER NUMBER

2812

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/563,712	08/18/2006	Shafidul Islam	102479-200	1525

TITLE OF INVENTION: SEMICONDUCTOR DEVICE PACKAGE AND METHOD FOR MANUFACTURING SAME

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	07/08/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION NOT THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and I/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This appropriate. All further indicated unless correcte maintenance fee notificat	form should be used to correspondence including a below or directed oth tions.	or transm ig the Pat ierwise in	ent, advance or Block 1, by (a	JE FEE and PUBLICAT ders and notification of a) specifying a new corre	TON FEE (if requiremaintenance fees verspondence address;	ired). I vill be and/or	Blocks 1 through 5 s mailed to the current r (b) indicating a sepa	hould be correspon trate "FEI	completed where idence address as E ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Fee	Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.				
ONE CENTURY	ATENT DOCKET TOWER, P.O. BO	ING		Lb	Cer	tificate	e of Mailing or Trans s) Transmittal is being ficient postage for firs ISSUE FEE address I) 273-2885, on the d	denovite	d with the United ail in an envelope r being facsimile ted below.
NEW HAVEN,	CT 06508-1832								(Depositor's name)
									(Signature)
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APPLICATION NO.	FILING DATE			FIRST NAMED INVENTOR		ATTO	RNEY DOCKET NO.	CONFI	RMATION NO.
10/563,712	08/18/2006			Shafidul Islam			102479-200		1525
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EXAM	INER	AF	RT UNIT	CLASS-SUBCLASS]				
ROMAN,			2812	438-106000					
"Fee Address" indi PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A	ondence address (or Cha 3/122) attached. ication (or "Fee Address 2 or more recent) attach ND RESIDENCE DATA	nge of Co Indication Lined. Use of	or form f a Customer PRINTED ON	2. For printing on the (1) the names of up to congents OR, alternat (2) the name of a sing registered autorney or 2 registered autorney or 2 registered patent attributed, no name will be THE PATENT (print or ty data will appear on the 1 r a substitute for filing an	o 3 registered pater ively, de firm (having as a agent) and the nam orneys or agents. If e printed.	memb es of u no nan	p to p to se is 3	ocument l	nas been filed for
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Authorized Signature					Date				
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This collection of informan application. Confident submitting the completed this form and/or suggestit Box 1450, Alexandria, V Alexandria, Virginia 223	ation is required by 37 C tiality is governed by 35 I application form to the ons for reducing this but irginia 22313-1450. DC 13-1450.	FR 1.311. U.S.C. 12 USPTO. rden, shou O NOT SE	The information 22 and 37 CFR Time will vary old be sent to the ND FEES OR 6	on is required to obtain or 1.14. This collection is es depending upon the indi e Chief Information Offic COMPLETED FORMS T	retain a benefit by t stimated to take 12 i vidual case. Any co- er, U.S. Patent and O THIS ADDRESS	he pub minute mmen Trader S. SEN	lic which is to file (and is to complete, includir is on the amount of ti- nark Office, U.S. Dep D TO: Commissioner	I by the U ig gatherin me you re artment of for Patent	SPTO to process) ig, preparing, and quire to complete Commerce, P.O. s, P.O. Box 1450,

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10/563,712	08/18/2006	Shafidul Islam	102479-200	1525		
27267	7590 04/08/2009		EXAM	UNER		
WIGGIN ANI	DANA LLP		ROMAN, ANGEL			
	PATENT DOCKETING		ART UNIT	PAPER NUMBER		
ONE CENTURY TOWER, P.O. BOX 1832 NEW HAVEN, CT 06508-1832			2812 DATE MAILED: 04/08/2009			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 309 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 309 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.	Applicant(s)		
10/563,712	ISLAM ET AL.		
Examiner	Art Unit		
ANGEL ROMAN	2812		

The MAILING DATE of this communication appears on t All claims being allowable, PROSECUTION ON THE MERITS IS (OR REN nerewith (or previously mailed), a Notice of Allowance (PTOL-85) or other NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. ' of the Office or upon petition by the applicant. See 37 CFR 1.313 and MP	MAINS) CLOSED in this application. If not included appropriate communication will be mailed in due course. THIS This application is subject to withdrawal from issue at the initiative
 This communication is responsive to <u>Amendment filed 01/26/09</u>. 	
The allowed claim(s) is/are <u>1-33</u>.	
3.	ceived. ceived in Application No have been received in this national stage application from the seminary of the process of the process of the process of the process of the attached EXAMINER'S AMENDMENT or NOTICE OF (s) why the oath or declaration is deficient. mitted. ent Drawing Review (PTO-948) attached ment / Comment or in the Office action of ould be written on the drawings in the front (not the back) of raccording to 37 CFR 1.121(d). DLOGICAL MATERIAL must be submitted. Note the
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 03/09/09 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. Notice of Informal Patent Application 6. Interview Summary (PTO-413), Paper No./Mail Dat 7. Examiner's Amendment/Comment 8. Examiner's Statement of Reasons for Allowance 9. Other
/Alexander G. Ghyka/ Primary Examiner, Art Unit 2812	
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Application/Control Number: 10/563,712

Art Unit: 2812

DETAILED ACTION

Allowable Subject Matter

- Claims 1-33 are allowed.
- 2. The following is an examiner's statement of reasons for allowance:

With respect to claim 1, the prior art of record either in single or in combination failed to anticipate or render obvious the limitations of wherein the interposer (64) has a recess (126) formed therein adjacent the second end (66), and a corner between a side surface (124) of the board connecting post (70) and an end surface (72) of the board connecting post (70) is removed to form a relief (128), the relief (128) having a height less than said distance.

With respect to claim 10, the prior art of record either in single or in combination failed to anticipate or render obvious the limitations of wherein the interposer (64) has a recess (126) formed therein adjacent the second end (66), and a corner between a side surface (124) of the board connecting post (70) and an end surface (72) of the board connecting post (70) is removed to form a relief(128), the relief (128) having a height less than said distance.

With respect to claim 21, the prior art of record either in single or in combination failed to anticipate or render obvious the limitations of each of the leads has a portion spaced apart from a bottom surface (56) of the package by a distance, each of the leads has a recess (126) formed therein adjacent a side surface (58) of the package, and a corner between the side surface and a bottom surface (56) of the package is removed to form a relief (128), the relief (128) having a height less than said distance.

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With respect to claim 26, the prior art of record either in single or in combination failed to anticipate or render obvious the limitations of each of the leads has a portion spaced apart from a bottom surface (56) of the package by a distance, each of the leads has a recess (126) formed therein adjacent a side surface (58) of the package, and a corner between the side surface and a bottom surface (56) of the package is removed to form a relief (128), the relief (128) having a height less than said distance.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

 Any inquiry concerning this communication or earlier communications from the examiner should be directed to ANGEL ROMAN whose telephone number is (571)272-6369. The examiner can normally be reached on IFP Mo-Fr 6am-3pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles D Garber can be reached on (571) 272-2194. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2812

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/A. R./ Examiner, Art Unit 2812 April 2, 2009

/Alexander G. Ghyka/ Primary Examiner, Art Unit 2812